

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of the claims in the application.

In the Claims

1. (Previously Presented) A retrievable blood clot filter actuatable between a collapsed position and an expanded position within a blood vessel, comprising:

an apical head defining a filter longitudinal axis;

a plurality of elongated filter legs each having a joined end section and a free end section, each filter leg including a support member having a first end coupled to the apical head, and a second end configured to expand outwardly away from the filter longitudinal axis and being coupled to an anchoring member configured to releasably secure the blood clot filter device to the inner wall of the blood vessel;

a plurality of filter tubes each having a first end, a second end, and an inner lumen configured to slidably receive the support members therein, the first end of each filter tube being joined together at a hub, and a landing pad fixedly secured to the second end of each filter tube; and

a retrieval apparatus for retrieving or repositioning the blood clot filter device within the blood vessel, the retrieval apparatus including a tubular inner member configured to grasp the apical head, a middle tubular member configured to engage the hub, and an outer sheath for encapsulating the blood clot filter device.

2. (Original) The retrievable blood clot filter device of claim 1, wherein said plurality of filter tubes are formed of one or more segments of tubing or sheathing.

3. (Withdrawn) The retrievable blood clot filter device of claim 1, wherein said plurality of filter tubes are formed of coiled tubing.

4. (Cancelled)

5. (Original) The retrievable blood clot filter device of claim 1, wherein the anchoring member includes a bending region.

6. (Original) The retrievable blood clot filter device of claim 1, wherein the hub is an annular-shaped hub.

7. (Withdrawn) The retrieval blood clot filter device of claim 6, wherein the annular-shaped hub includes one or more internal notches or slots formed therein.

8. (Cancelled)

9. (Currently Amended) The retrievable blood clot filter device of claim 1 [[9]], wherein said retrieval means includes a retrieval apparatus configured to retrieve the blood clot filter device using a jugular approach.

10-15. (Cancelled)

16. (Original) A filter system, comprising:

a retrievable blood clot filter device including an apical head, and a plurality of elongated filter legs each having a joined end section and a free end section, each filter leg including a support member having a first end coupled to the apical head, and a second end coupled to an anchoring member configured to releasably secure the blood clot filter device to the inner wall of a blood vessel;

a plurality of filter tubes each having a first end, a second end, and an inner lumen configured to slidably receive the support members therein, the first end of each filter tube being coupled to a hub; and

a retrieval apparatus for retrieving or repositioning the blood clot filter device within the blood vessel, the retrieval apparatus including an inner member configured to grasp the apical head, a middle tubular member configured to engage the hub, and an outer sheath for encapsulating the blood clot filter device.

17. (Original) The filter system of claim 16, wherein said plurality of filter tubes are formed of one or more segments of tubing or sheathing.

18. (Withdrawn) The filter system of claim 16, wherein said plurality of filter tubes are formed of coiled tubing.

19. (Original) The filter system of claim 16, further comprising a landing pad coupled to the second end of each filter tube.

20. (Original) The filter system of claim 16, wherein the anchoring member includes a bending region.

21. (Original) The filter system of claim 16, wherein the hub is an annular-shaped hub.

22. (Withdrawn) The filter system of claim 21, wherein the annular-shaped hub includes one or more internal notches or slots formed therein.

23. (Withdrawn) The filter system of claim 22, wherein said middle tubular member includes one or more fins insertable through said one or more notches or slots.

24. (Original) The filter system of claim 16, wherein said inner member comprises a braided tubular member.

25. (Original) The retrievable blood clot filter device of claim 16, wherein the retrieval apparatus is configured to retrieve the blood clot filter device using a jugular approach.

26. (Withdrawn) The retrievable blood clot filter device of claim 16, wherein the retrieval apparatus is configured to retrieve the blood clot filter device using a femoral approach.

27-32. (Cancelled)

33. (Previously Presented) The filter system of claim 16 wherein the inner member has a cylindrical distal section.

34. (Currently Amended) The filter system of claim [[34]] 16 wherein the inner member is tubular.

35. (Previously Presented) The filter system of claim 33 wherein the inner member distal section is configured to radially expand when compressed in a direction along its length.

36. (Currently Amended) The filter system of claim 35 wherein the distal section[[s]] comprises a braided layer.